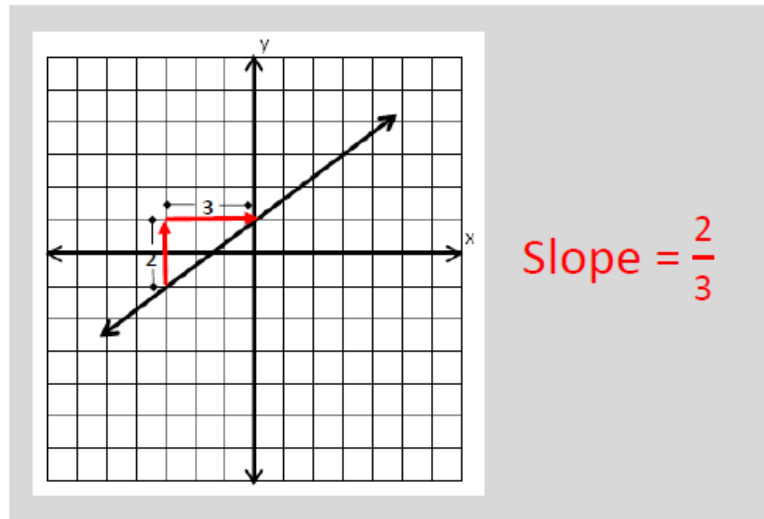


Slope

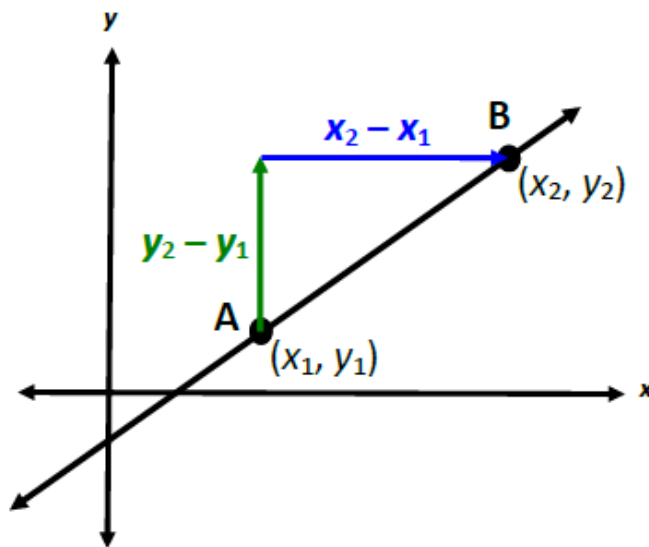
A number that represents the rate of change in y for a unit change in x



The slope indicates the steepness of a line.

Slope Formula

The ratio of vertical change to horizontal change

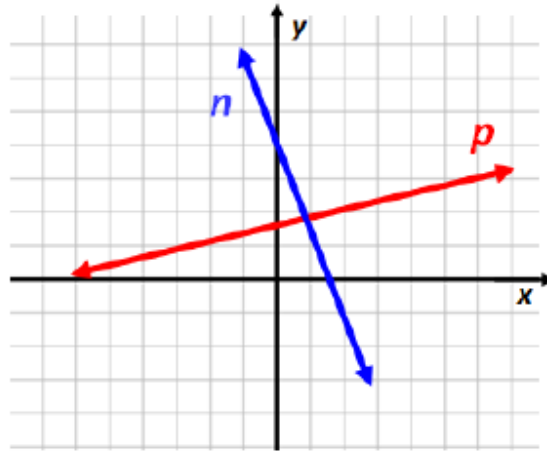


$$\text{slope} = m = \frac{\text{change in } y}{\text{change in } x} = \frac{y_2 - y_1}{x_2 - x_1}$$

Slopes of Lines

Line p
has a **positive** slope.

Line n
has a **negative**
slope.



Vertical line s has an
undefined slope.

Horizontal line t
has a **zero** slope.

